1996

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER

VOLUME 19, NUMBER 1 FEBRUARY 1996

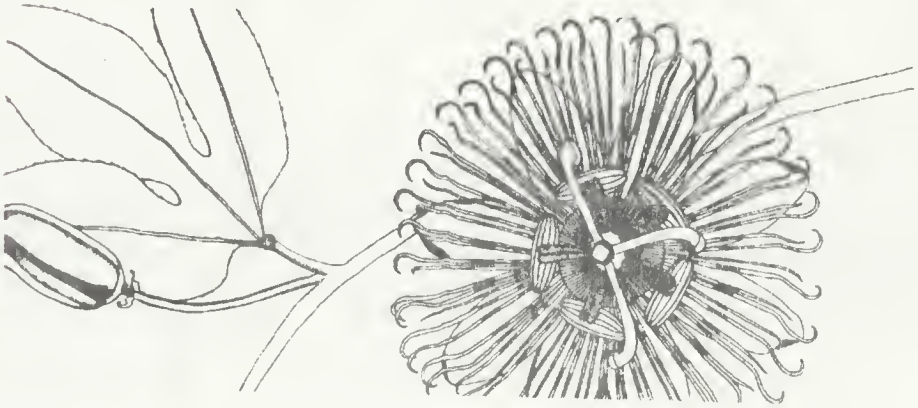
"Jack-in-the-pulpit, in this day of women's liberation and equality of the sexes, really should have its name change to Jack-or-Jill-in-the-pulpit. Long before the controversy surrounding ordination of women to the pulpit, nature decided it was all right" -Jim Horton, The Summer Times (1979)

Everybody recognizes Jack-in-the-pulpit. It appears in spring throughout easter North America in moist woodlands and bogs as a plant bearing one or two long-stalked leaves with three leaflets each. What catches the eye, however, is the so-called "pulpit", a leafy bract called a spathe. Sequestered within is "Jack", a fleshy stalk called a spadix. In late summer and fall, plants that have been successfully pollinated display vivid clusters of red berries.

Jacks are highly variable, ranging from slender pale plants a few inches high to thick-stemmed heavily-mottled individuals over three feet high. Some botanists recognize three species or subspecies within this complex. Most current vascular floras, including the Manual of the Vascular Flora of the Carolinas and the Guide to the Vascular Plants of the Blue Ridge, recognize a single species, *Arisaema triphyllum.*

Jacks can reproduce asexually, but it their peculiar sexual tactics that have brought them under scrutiny in recent years. Numerous plants are dioecious; that is, they have separate male and female plants. But Jacks can change their sex from season to season; female one year, male the next, or vice versa.

Sex reversal is relatively rare in the natural world. Some orchid species are reported to function as females when growing in the sunlight and males when growing in shade. Among North American plants, striped maple, *Acer pensylvanicum,* is another species that has been reported to practice sex reversal, primarily from male to female when the plant is stressed by crown closure.



Individual Jacks can be male, female, male-female (monoecious) or none of the above. Males produce tiny flowers at the base of the spadix that consist of a cluster of creamy white or purplish pollen-bearing anthers. Females exhibit gren spherical structures on the spadix capable of producing seeds. When plants are monoecious, the male (staminate) flowers are located above the female (pistillate) flowers on the spadix. Plants that are immature or extremely deficient in nutrient resources will produce a leaf but no flowers.

Monoecious plants are relatively uncommon in the wild, but their presence indicateds that Jacks sometimes have an intermediate stage between the male/female phases that is often not cited in scientific accounts. This is one of the least understood aspects in the plant's reproductive strategy.

In general, rootstock that is large with lots of stored food produces the larger of the two-leaved female plants. A female Jack that loses stored energy can become a one-leaved plant without neuter. Conversely, a male that develops its storage supplies can then change sex and become a seed-bearing female.

This ability to reverse sexes enables Jacks to respond to changing environmental factors. And it allows a female that has simply put a lot of energy into fruit bearing one season to take a little time off the next year as a male. In regard to energy expenditure, producing pollen is light cuty when compared with producing fruit.

Where the spathe overlaps at its base, there is a small gap left open on male plants. This allows the small insects (often fungus gnats) that visit the male

plants to escape from the the chamber bearing pollen. Dead insects can often be observed at the base of the female chambers, which have no gap. There is no evidence Jacks absorb any nutrients from these insects. The closed opening apparently forms a trap that insures the insectswill thrash around and fully distribute any pollen they might be carrying.

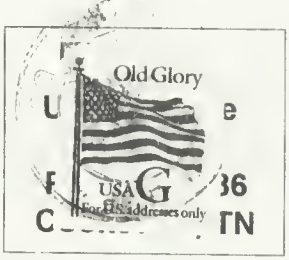
One further observation. Thin-walled panels in the spathe act like windows, creating a special filtered light inside the enclosure that is most intense at the bottom of the spadix where the flowers are located. This chapel-like lighting system helps to attract insects down into the pulpit where either Jack or Jill reside.

During the 1980's numerous articles regarding Jack-in-the-pulpit's capacity for sexual reversal appeared in both scientific journals and the popular press. It became so hot a topic that the Newsweek magazine issue for May 17, 1982, contained a piece entitled "Changing Sex Nature's Way." Interesting theorizing about the plant's sexual habits can also be found in Geoge Constantz's Hollows, Peepers and Highlanders: An Appalachian Mountain Ecology and Stephen Jay Gould's The Flamingo's Smile.

Vol. 19, No. 1 February 1996

Printed on recycled paper

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER
1172 S DRY VALLEY RD.
COOKEVILLE, TN 38506
615/528-4698



Insist on nursery propagated native plants. If you're not sure, ASK!

The following schedule of field trips for 1996 has been developed by a TNPS Committee. Some trips will be described in more detail in future issues of the NEWSLETTER. Trips are led by persons familiar with native plants of the area. These trips provide an opportunity to observe, photograph, and learn about our native flora. Since plant protection and conservation are primary objectives of our organization, digging and collecting on field trips IS NOT PERMITTED.

Please contact the leader in advance for those trips that you plan to attend. This not only lets the leader know the number of participants, but also ensures that last minute changes and updated information are known prior to the trip. Hikes usually meet at 10:00 a.m. LOCAL TIME.

* Events with an asterisk are visits to sites for which The Nature Conservancy, Tennessee Field Office (TNC-TNFO) has a registry or some form of landowner contact. Our visit will gather data to aid in the inventory and conservation of these sites.

1996 TNPS FIELD TRIP SCHEDULE

Date	Event/Location	Leader / phone #
March 30*	**Beech Creek Bluffs**, Wayne County, Leatherwood Quad; Beaked trout-lily *Erythronium rostratum*; Tower mustard *Arabis glabra*, and many other spring wildflowers including Toothworts, Harbinger-of-Spring, *Carex picta*, and Dutchman's Breeches. Easy to moderate hiking, site is near a road. Meet at 10:00 Central Time at Hardee's in Waynesboro, US 64 on East side of town. About 2 hours from Nashville; the Natchez Trace Parkway meets US 64 a little East of Waynesboro if you prefer a leisurely drive. Leaders: Dennis Horn 615-454-7447 ofc, 615-455-5742 h. (Tullahoma) or Milo Pyne 615-532-0440 w [Nashville].	
April 13	OLD STONE FORT STATE PARK near Manchester, off I-24. Wonderful spring flora: Virginia bluebells, larkspur, hepatica, yellow trout lily and jack-in-the-pulpit. Old Stone Fort is located at the confluence of the Duck and Little Duck Rivers. Take I-24 to exit 105 to Hwy 41, about 5 miles, follow signs to the park. Meet at 10:00 a.m. central time, at the visitors center. Hike is about 3 miles, easy. Bring water and lunch. Leader: Bertha Chrietzberg 615-896-1146 (Murfreesboro) **Note**: There may be an additional trip in the afternoon. Call Dennis Horn 615-454-7447 ofc, 615-455-5742 h. for information.	
April 14	**Piney River GORGE [note: Sunday hike]** near Spring City, Bowater Pocket Wilderness; 10 mile one way trail (necessary to do shuttle with drivers). Trip can be shortened for those who don't wish to hike the entire trail. Interesting flora includes Whorled horsebalm (*Collinsonia verticillata*), Gaywings, Pink and Yellow lady's-slippers. Leader: Ruthann Henry (McMinnville) 615-473-6298 or Mike Lain 615-483-1935. Meet at 9:00 a.m. CST at the picnic area on Shut-In Gap Road at Spring City, Hwy. 68.	
April 20*	**Watauga River Bluffs**, Carter County, Johnson City Quad; Carolina pink *Silene caroliniana* ssp. *pennsylvanica*, also "Shale Knobs" community. Not much is known about the flora of this site, which could contain some interesting finds; the composition and structure of the community also needs better documentation. Hiking moderate. Meet at 10:00 a.m. Eastern Time, South Roan St. Kroger Parking Lot [get off I-81 at ETSU exit 31, it's right there; 1st stoplight W of 4-lane [not counting stoplights for the exit itself] Leader Jamey Donaldson 423-753-6944; this followed on Sunday by:	

April 21* **Laurel Creek** (Shingletown Branch), Johnson County, Laurel Bloomery Quad; Skunk cabbage *Symplocarpus foetidus*, Godfrey's sandwort *Arenaria godfreyi*, Crested shield fern *Dryopteris cristata*; hiking easy, this site is a wetland in pastureland near a road; [note: SUNDAY TRIP] Meet at 10:00 a.m. Eastern Time [exact place to be determined; probably a fast-food restaurant in Johnson City]. Leader: Ed Schell (??) 423-282-6125 or Dennis Horn 615-454-7447 ofc, 615-455-5742 h. (Tullahoma)

April 28 [Sunday following Smokies Wildflower Pilgrimage] details TBA

May 4 **JACKSON COUNTY,** *Synandra hispidula and Valeriana pauciflora* along roadside. Leader Margret Rhinehart, 615-946-2381. Meet at 1:30 p.m. CST in Gainesboro on Hwy 56 at the last store before crossing the bridge over the Cumberland River.

May 18 **Duck River Glades and Bluffs;** Leader Milo Pyne 383-8767 (Nashville) and/or Dennis Horn 615-454-7447 ofc; 615-455-5742 h (Tullahoma) Meet 10:00 am Central Time at Stan's, a Texaco Gas Station and Restaurant on I-65 at the exit for Hwy. 99. This hike is to promote local interest in conservation of sites presently owned by TVA in the Duck River drainage in the vicinity of Columbia which may be turned over to other agencies for management. Many rare glade plants are found on these lands.

June 22* **Clifty Creek Gorge**, Roane / Morgan Counties; Harriman Quad; this site is best known for an excellent population of Virginia spiraea *Spiraea virginiana*; it also contains Hemlock Mixed Mesophytic forest and evergreen shrubs such as *Leucothoe* and Rhododendron. Hiking moderate to somewhat difficult, it may be good to wear (or bring) old tennis shoes for wading the creek. Meet at 10:00 am Eastern time, at the McDonalds at the US 27 Harriman-Rockwood Exit on I-40 [Exit 347]. Leader: Larry Pounds 423-483-8635 h (Oak Ridge)

June 29 **Andrews Bald;** Leader Ruthann Henry; (McMinnville) 615-473-6298. Meet at the Newfound Gap parking lot at 10:00 a.m. CST. Noteworthy flora includes Rhododendrons, Azaleas, orchids, purple fringed orchid along Clingman's Dome road and parking lot. Hike will be about 4 miles roundtrip. Moderate hiking due to very rocky trail halfway to the bald.

July 27 **May Prairie**; opportunity for a joint meeting with Georgia Botanical Society to visit a truly unique Tennessee State Natural Area. This Highland Rim remnant prairie contains native orchids and many other unusual plants. Most noteworthy are the only Tennessee locations for coastal false-asphodel *Tofieldia racemosa* and Snowy orchid *Platanthera nivea*; also *Silphium pinnatifidum, Silphium mohrii, Lespedeza angustifolia, Buchnera americana,* and *Eryngium integrifolium.* Leader: Dennis Horn 615-454-7447 ofc, 615-455-5742 h. (Tullahoma). Meet at McDonalds in Manchester, I-24 Exit 114 at 10:00 am Central Time.

August 10 **Spencer Powerline** Monkey Face Orchid Marathon. [Brockdell Road]; a fabulous chance to see the unusual orchids of the Cumberland Plateau wet meadows!! These include white fringeless orchid (*Platanthera integrilabia*) and yellow fringeless orchid (*Platanthera integra*). Leader Ruthann Henry; (McMinnville) 615-473-6298. Meet at 10:00 a.m. CST at the Hardees in McMinnville.

September 21 **Wolf River** canoe trip. Meet at General store at LaGrange, Hwy. 57: Larry Wilson (Memphis) 901-458-8724 h; 901-680-9756 w

October 5 **John Muir Trail and visit to Ruth's Golden-aster population** (*Pityopsis ruthii*); Leader: Bertha Chnetzberg (Murfreesboro) 615-896-1146

This is not an official newsletter. The Board members of TNPS would like to deeply apologize for the absence of a spring newsletter. There was an undetermined problem with the printing and mailing. However, a copy of the one that was mailed could, at some point in the future, arrive in your mailbox. The tragedy is that some of you have missed the early spring field trips. Newsletter mailouts will be on schedule the rest of the year! Thank you for your support!

The Tennessee Native Plant Society is solely funded by member dues. Membership benefits include newsletters, support of native plant protection initiatives, notice of field trips, and invitation to the annual meeting at a nominal cost. Dues for 1996 are now payable according to the following fee schedule:

Life Member	150.00
Regular Member	15.00
Senior Citizen	10.00
Student Member	10.00

Checks should be made to the Tennessee Native Plant Society and sent (along with this form) to:

The Tennessee Native Plant Society
Department of Botany
University of Tennessee
Knoxville, TN 37996-1100

Name_____

Address_____

_____

Phone_____

Membership
Category_____

Special
interest_____

_____

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER

Volume 19, Number 2 July 1996

Past President's Message--Milo Pyne

As some of you know by now, I have accepted a position with the Southeastern Regional Office of The Nature Conservancy (TNC-SERO) and have consequently resigned the Presidency of the Native Plant Society effective April 1, 1996. While my regional position will enable me to remain involved with a variety of projects in Tennessee, my focus will be a much wider one, being involved with development and implementation of the Plant Community Classification System in several ecoregions in the broader Southeast region of TNC.

In my brief presidency, I attempted to focus attention on the basic matters that keep TNPS functioning: well-run productive Board meetings, membership development, exciting field trips, and our Newsletter. These matters are at the heart of the organization, and require participation of the membership to fulfill their full potential.

I urge members to communicate with the officers and Board members to make your ideas and needs known; to tell your friends and colleagues about TNPS; to attend field trips; and to contribute materials to the Newsletter on a regular basis. To have an active Society such as ours requires active participation of its members.

I want to compliment the Board members with whom I had the pleasure to serve; their dedication and commitment to the Society makes its growth and persistence possible. Many of our officers have served in their positions for several years, and this continued dedication provides a highly valuable institutional memory and provides much-needed continuity.

The track record of staff members of the Natural Heritage Program serving as TNPS president is a mixed one; I recall in 1986, Larry Smith accepted the Presidency, to shortly thereafter accept a job in Ohio. On the other hand, Scott Gunn completed one or two terms as president thereafter. I will remain on the Board as past President, and hope to participate in field trips from time to time.

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER

JULY 1996, VOL. 19 NO.2

This newsletter is a publication of the Tennessee native Plant Society and is published six times a year, generally in February, April, June, August, October and December.

The Tennessee Native Plant Society (TNPS) was founded in 1978. Its purposes are to assist in the exchange of information and to encourage fellowship among Tennessee's botanists, both amateur and professional; to promote public education about Tennessee's flora; to provide, through publication of a newsletter or journal, a formal means of distributing information on Tennessee flora; and to promote the protection and enhancement of Tennessee's natural plant communities.

Dues for each calendar year are:
Regular: $15
Student/Senior: $10
Institution: $20
Life: $150

Dues may be sent to:
TNPS
Department of Botany
University of Tennessee
Knoxville, TN 37996-1100

TNPS OFFICERS
Kay Jones, President
Nita Heilman, Rec. Secretary
Andrea Shea, Corr. Secretary
Karen Yarbro, Treasurer

DIRECTORS
Bertha Chrietzberg
Dennis Horn
Harold Scott
Shirley Nicholson
Jane Norris
Larry Wilson

EX OFFICIO
David Duhl
Jack Carman
Dot Carman
Hal DeSelm
Ruth Ann Henry
Milo Pyne

Kay Jones, President:
615-285-2777

Past President's Message, Continued

I must say that I owe an immense personal debt of gratitude to the TNPS for providing me with a series of opportunities which led, over the years, to my present professional situation. In about 1978, I was living in rural Cannon County and had an interest in wildflowers which I had "inherited" from my parents. A dear friend from Alabama told me about TNPS and I became a member. When I attended my first field trip in 1978 or 1979, I had an opportunity to meet many wonderful people including the imminent Dr. A. J. Sharp and many other Tennessee Botanists.

Being able to spend time in the field with these folks was a rare opportunity for an inveterate amateur such as myself. Through TNPS I met Tom Patrick, and he invited me to join him in surveys of the Barrens of Coffee and Warren Counties, which has remained a strong area of interest to me to this day. Being associated with TNPS and its members assured me that I had a contribution to make to the field of Tennessee Botany and encouraged me to pursue my interest in the field despite my lack of any formal training. I subsequently obtained contract work from the Natural Heritage Program and in 1987 entered school at NCSU to obtain a Botany Degree. This eventually led to my employment with the Heritage Program and then to my obtaining my present position.

My new work address is TNC-SERO, P.O. Box 2267, Chapel Hill, NC 27515-2267, and my office phone is 919-967-5493, extension 136. Please stay in touch. I remain committed to the goals and vision of TNPS and hope to be able to continue to contribute to the growth and development of the Society.

TENNESSEE NATIVE PLANT SOCIETY IS NOW TAX EXEMPT

The Internal Revenue Service has determined that the Tennessee Native Plant Society qualifies for an exemption from federal income tax under Section 501(c)(3).

The new status means that the newsletter can be mailed at a lower postal rate. Donations over and above membership dues, purchases of shirts, notecards, etc., are tax deductable.

Achieving this status took a good bit of effort from a number of members including Shirley Nicholson, Kay Jones, Karen Yarbro and, particularly, past President Mary Schaffner. We can now accept tax-exempt donations for any dollar amount.

Karen Yarbro

FEATURE ARTICLE

MAY "PERARIE"

Milo Pyne

May Prairie State Natural Area is an 82 acre tract located in Coffee County Tennessee which was purchased by the state in 1973 and registered as a National Natural Landmark in 1981. Aerial photographs from 1950 indicate that the prairie area on the state tract was part of an arc of open land which extended onto adjacent tracts. This extension has closed in with trees over time, and only about 20 acres remain today in an herbaceous-dominated condition. Lack of consistent management has contributed to invasion of red maples since state acquisition. Recent efforts at control include use of herbicides on selected woody plants and, more recently, annual fall burns.

Modern botanical investigations of the site began on 4 July 1947, with its "discovery" by Dr. A. J. Sharp and other botanists from the University of Tennessee at Knoxville. Their work revealed the presence of many plant taxa disjunct from the Atlantic and Gulf Coastal Plains. Earlier work by Svenson of the New York Botanical Garden had established the unusual nature of the flora of Coffee County in this regard.

In particular, the plants found at May Prairie with the most restricted distribution in Tennessee are coastal false-asphodel (*Tofieldia racemosa*) and snowy orchid (*Platanthera nivea*), which are state-listed as Endangered and widely disjunct from the southern Coastal Plain. May Prairie is the only Tennessee station for these two species. Southern prairie-dock (*Silphium pinnatifidum*) is a regional endemic restricted to barrens of Kentucky, Tennessee, Alabama, and Georgia. It is an August aspect dominant at May Prairie. On adjacent and nearby lands, the northern coastal plain carices *Carex barrattii* and *C. buxbaumii* are found. This mix of northern and southern disjunct species contributes to the distinctive flora of May Prairie.

Some adjacent and nearby tracts which were recommended by the Tennessee Natural Heritage Program have been prioritized for acquisition by the Tennessee Wildlife Resources Agency (TWRA). The pending acquisition of 800 acres contained in two tracts to the north of May Prairie will provide a ten-fold increase in the lands afforded protection and management. These tracts contain additional rare plant populations and protect the watershed of the Natural Area.

Controlled burning was used sporadically between 1978 and 1985 to suppress woody vegetation, induce regeneration of prairie grasses and herbs, and speed up nutrient cycling in this herbaceous-dominated ecosystem. A regime of annual fall burning was begun in 1993. Data on the vegetative composition of 32 permanent one meter-square plots is obtained every five years. These data will be analyzed to measure and evaluate the effects of fire management on the vegetation.

TNPS Field Trip to May Prairie--Saturday, July 27,1996.

Opportunity for a joint meeting with the Georgia Botanical Society to visit a truly unique Tennessee State Natural Area. This Highland Rim remnant prairie contains native orchids and many other unusual plants. Most noteworthy are the only Tennessee locations for the coastal *Tofieldia racemosa* and *Platanthera nivea*; also *Silphium pinnatifidum*, *Silphium mohrii*, *Lespedeza angustifolia*, *Buchnera americana* and *Eryngium integrifolium*. Leader Dennis Horn (615-454-7447, office; 615-455-5742, home). Meet at McDonalds in Manchester (I-24 exit 114) at 10:00 a.m. Central time.

TENNESSEE GAINS NEW STATE BOTANIST

Carl Nordman has joined the Division of Natural Heritage as Tennessee's State Botanist. Carl received his B.S. in botany from the University of Michigan. He has been working in conservation biology since 1990 and has experience with the North Carolina Botanical Gardens, North Carolina Natural Heritage Program and the Altamaha River Bioreserve in Georgia. Carl was most recently employed with the Florida Natural Areas Inventory as field ecologist at Eglin Air Force Base in the Florida panhandle. Carl may be reached at 615-532-0440.

NEWSLETTER UPDATE

Candy Swan from Cookeville has been the newsletter editor for the past two years. Due to her teaching schedule and a 90 minute commute to Nashville every day, she requested to be relieved from the responsibilities of newsletter editor. TNPS would like to thank Candy for her hard work in producing an excellent series of newsletters.

The TNPS newsletter is undergoing a transition. Future issues will return to a more predictable schedule. The newsletter is the primary publication of TNPS and needs to continue to be of high quality featuring articles contributed by members. Anyone wishing to volunteer as newsletter editor, please contact Kay Jones.

TNPS THANKS MARY SCHAFFNER FOR FOUR YEARS OF SERVICE

Mary Schaffner served as President of TNPS from 1991 through 1995. Under her leadership, the Tennessee Wildflower Book went from the planning phase to near completion. Her goal to produce a high quality product highlighting Tennessee's diverse flora will be attained through the hard work of TNPS members associated with the project.

TNPS has presented Mary with a fifty dollar gift certificate from Moore and Moore Garden Center in Nashville, TN.

All TNPS members owe a debt of thanks to Mary for her dedication to the Society.

BOOK ALERT

Wildflowers of Land Between the Lakes Region, Kentucky and Tennessee by Edward W. Chester and William H. Ellis, published by The Center for Field Biology, Austin Peay State University, Clarksville, TN 37044 (1995). This book features many of the wildflowers of the Land Between the Lakes area of Tennessee and Kentucky. The photographs are well done and the descriptions are well written for the general public. The book is very useful for identifying wildflowers and for learning more about native plants. The small size makes it easy to carry in the field.

From time to time, the TNPS newsletter will highlight new wildflower books of interest to members. If you are aware of any new books, please mail a description to TNPS.

INTERNET ADDRESSES FOR NATIVE PLANT ENTHUSIASTS

(From KY Native Plant Society Newsletter)

Florida Wildflower Page: Nice photos of Florida native plants including orchids:
http://www-wayne-leon.scri.fsu.edu/~mikems/

The Tallgrass Prairie of Illinois: An elecronic publication featuring the plants of the tallgrass prairie system.
http://www.prairie.net.org/tallgrass/tgp07.html

The Nature Conservancy: The Nature Conservancy's programs in each state is highlighted through links to this home page.
http://www.tnc.org

Missouri Botanical Garden: Endangered species propagation, tropical research data and kid server are at this site. Good for ordinary people.
http://www.mobot.org/welcome.html/

Tennessee Natural Heritage Program: Rare plant and animal lists, Natural Areas and Natural Heritage staff program areas are updated periodically.
http://www.heritage.tnc.org/nhp/us/tn

TNPS FIELD TRIP SCHEDULE FOR REMAINDER OF 1996.

Please call trip leaders to confirm scheduled trip!

August 10--Spencer Power Line (Monkeyface Orchid Marathon) A fabulous chance to see the unusual orchids of the Cumberland Plateau wet meadows!! These include white fringeless, or monkeyface, orchid (*Platanthera integrilabia*) and yellow fringeless orchid (*Platanthera integra*). Leader Ruthann Henry (615-473-6298). Meet at Hardees in McMinnville at 10:00 a.m. Central time.

September 6-8--TNPS Annual Meeting, Sewanee, TN. This location is convenient to many sites on the Cumberland Plateau and Highland Rim with an abundance of interesting flora. See the accompanying announcement in this newsletter.

September 21--Wolf River canoe trip (West Tennessee). Trip leader Larry Wilson (901-680-9756, office; 901-458-8724, home). Meet at General Store at LaGrange, Highway 57. Call for time.

October 5--John Muir Trail in Polk County. A visit to a population of Ruth's Golden Aster (*Pityopsis* ruthii) along the Hiwassee River. Trip leader Bertha Chrietzberg (615-896-1146). Meet at Webb's Store in Reliance, TN. Call for time.

TENNESSEE NATIVE PLANT SOCIETY ANNUAL MEETING

September 6-8, 1996

We are looking forward to returning to Sewanee ("The Mountain") and Saint Mary's Conference Center. A full schedule of field trips, as well as evening programs--mainly oooh-ing and aaah-ing at beautiful slides--is planned. We will be using both St. Mary's and St. Joseph's Halls as needed. St. Mary's has rooms--generally with two twin beds, bathrooms down the hall, and a fan in each room. Most rooms in St. Joseph's have beds for 4-6 people, air conditioning and bathrooms down the hall, though a few rooms have private baths. Linens are provided for both Halls.

The rates per person for St. Mary's are $75 for a shared room and $85 for a single room and includes 2 nights lodging, 5 meals, beverage service and meeting registration. At St. Josephs the rates are $71 and $81. Charges for those staying less than the whole weekend are pro-rated and will be figured when you call to register. Reservations/registration may be made by calling Kay Jones at 615-285-2777 before August 20. Payment must be received by August 20 in the form of a check mailed to Kay Jones at the following address:

Kay Jones
P.O. Box 193
Hampshire, TN 38461-0193

TNPS BOARD MEETING TO BE HELD AT ANNUAL MEETING

The TNPS Board Meeting will be held on Sunday morning, September 8 and is open to all TNPS members.

The primary topic will be the future direction of the funding and publishing of the Wildflower Book. Please bring any ideas about publishing this book, including whether it should be self-published or out-sourced. The Nominating Committee (Nita, Dennis. Bertha and Jane) will be asked to present a slate of candidates for new officers and three new board members (including at least one from West TN and one from East TN). The board members whose terms officially expire are: Shirley Nicholson, Larry Wilson and Harold Scott.

NOMINATING COMMITTEE PRESENTS NOMINEES FOR TNPS BOARD OF DIRECTORS, 1996-1997.

The nominating committee is presenting for membership approval three persons to serve as members of the Board of Directors, with terms running January 1, 1996 through December 31, 1997. Those presented are:

Dennis Horn, Tullahoma
Bertha Chrietzberg, M'boro
Jane Norris, Nashville

According to the TNPS Constitution, additional nominations may be submitted within three weeks of the October newsletter. In the absence of other nominations, the slate presented by the committee will be considered approved by the membership. Additional nominations may be sent to Kay Jones.

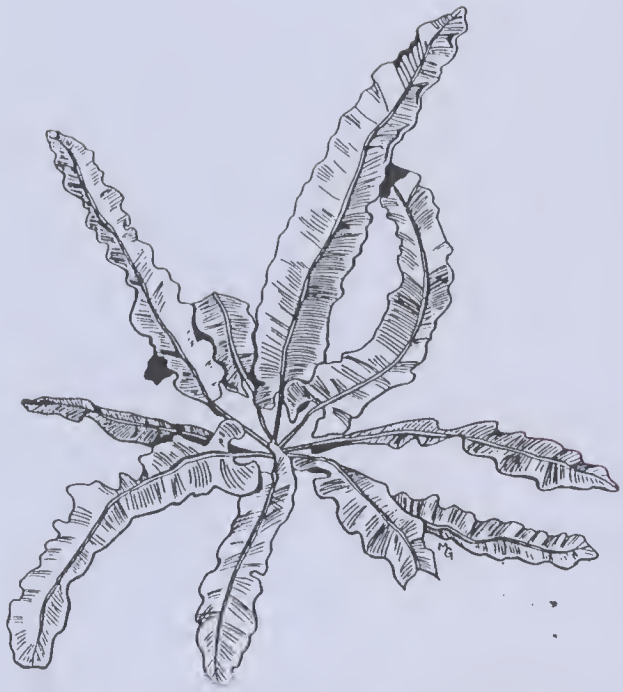
RENEW YOUR MEMBERSHIP IN TNPS

If your dues are current, your mailing label will read **1996**. If your mailing label shows a date earlier than 1996, please keep your membership current by sending a check to:

Tennessee Native Plant Society
Department of Botany
University of Tennessee
Knoxville, TN 37996-1100

Membership Categories: Regular $15, Student and Senior $10, Institutional $20, Life $150, One Year Gift Membership $10 (Please indicate who is giving the gift membership and the name and address of the recipient). indicate who is giving the gift membership and the name and address of the recipient).

Note: Members have only received one "newsletter" this year, it was actually a field trip schedule for 1996. Some of the 1996 new members did not receive this issue. We sincerely apologize and assure you that the remainder of this year and next year will be better and all issues will be on time!



Asplenium scolopendrium var. americanum
Hart's-tongue fern
Listed Threatened

Vol. 19 No.2 July 1996 Printed on recycled paper

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER
341 Huntington Ridge Drive
Nashville, TN 37211

IMPORTANT INFORMATION INSIDE ABOUT JULY 27 FIELD TRIP. DON'T MISS OUT.
READ YOUR NEWSLETTER TODAY!

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER

Volume 19, Number 3 August 1996

President's Message--Kay Jones

"Clean, quiet, unspoiled...set high atop Tennessee's Cumberland Plateau...guests get away at St. Mary's amid spectacular scenery--brilliant autumn colors, cool green summers, fields of wild flowers and miles of hiking trails. Overnight guests stay in simple, immaculate guest rooms. Home-cooked meals served family style."

The annual meeting is almost upon us, and we are looking forward to being on the mountain at this time of year. Since reservations have been late coming in, we have had to cancel some of the rooms we were holding (though they can be added later, if still available). Consequently, all rooms will be in St. Mary's Hall, with bathrooms "own the hall." Towels and linens are provided. The rates for each person for thewhole weekend, Friday dinner through Sunday breakfast,are $75 for a double room and $85 for a single. Partial stays break down as follows: Dinner Friday or Saturday night, $8.50; Room for one night, $16.50 double and $23.50 single; Breakfast Saturday or Sunday, $6.00; Lunch Saturday, $7.50. Those attending the meeting but not staying overnight will also need to add on $2.00 for ue of the meeting room. Please call me right away to reserve space, and then send a check (made out to TNPS) to me at P.O. Box 193/Hampshire, TN 38461.

The ABSOLUTE deadline to register is August 27.

Friday night we will have a presentation by Kay Linder of the Tennessee Environmental Council and Environmental Action Fund filling us in on the status of environmental legislation. If time permits that evening, and definitely on Saturday, we will have presentation of slides by our own members. I hope that all photographers (we have many excellent ones among us) will come prepared for a most appreciative audience. Of course, field trips will fill the day Saturday, with a return to St. Mary's between trips for lunch.

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER

JULY 1996, VOL. 19 NO.2

This newsletter is a publication of the Tennessee native Plant Society and is published six times a year, generally in February, April, June, August, October and December.

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Department of Botany
University of Tennessee
Knoxville, TN 37996-1100

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Andrea Shea, Corr. Secretary
Karen Yarbro, Treasurer

DIRECTORS
Bertha Chrietzberg
Dennis Horn
Harold Scott
Shirley Nicholson
Jane Norris
Larry Wilson

EX OFFICIO
David Duhl
Jack Carman
Dot Carman
Hal DeSelm
Ruth Ann Henry
Milo Pyne

Kay Jones, President:
615-285-2777

EVENTS PLANNED FOR ANNUAL MEETING

FRIDAY EVENING-Kay Linder will present an update on environmental legislative happenings in Tennessee. Slide presentations by members (if time allows).

SATURDAY-Field trips planned for morning and afternoon of sites selected by Dennis Horn and Jack Carman. Dennis and Jack always come up with exciting and adventurous trips!

SUNDAY-Board Meeting (open to all TNPS members) will be held in the morning.

After the board meeting, Mary Priestley, a staff member of Sewanee's Biology Department, will lead a tour of the campus, emphasizing the trees of the campus. Mary has been working on the second edition of *Comparative Description of the Native Trees of the Sewanee Area* (first published in 1949 by Stephen Elliott Puckette). Books should be available for sale at the meeting.

MAY PRAIRIE AND AEDC FIELD TRIP REPORT

by Dennis Horn

On July 27, we had a huge turnout for this trip, with 37 participants for the late morning hike to May Prairie. This was a combined TNPS and Georgia Botanical Society outing and seven or eight Georgians were part of this group. We found most of the plants advertised including the rare False Asphodel (*Tofieldia racemosa*), Snowy Orchid (*Platanthera nivea*), *Eupatorium leucolepis*, Mock Bishop's-Weed (*Ptilimnium costatum*) and the huge bright yellow flowers of the Prairie Dock (*Silphium pinnatifidum*) which were just beginning to open. Other plants included Blue Hearts (*Buchnera americana*), *Silphium mohrii* (restricted mostly to TN, KY and AL), *Eryngium integrifolium*, *Ludwigia hirtella* and *Mecardonia acuminata*. The prairie was in excellent condition as a result of mowing 4-5 years ago to remove the large woody growth followed by regular burns by TDEC. The Department is to be congratulated for the remarkable improvement in the prairie over the last 5 years.

After a late lunch in Manchester, we were off to AEDC, first to see the Narrow-leaved Cattail (*Typha angustifolia*) and the Common Cattail (*Typha latifolia*) growing side-by-side. On down the road to the main powerlines we found many large Yellow Fringed Orchids (*Platanthera ciliaris*) in prime condition, while on further back from the road we found Eggert's Sunflower (*Helianthis eggertii*) beginning to flower as well as Narrow-leafed Lespedeza (*Lespedeza angustifolia*), both rare Tennessee plants. At our final stop at Goose Pond we found Virginia Chain Fern (*Woodwardia virginica*), Redroot (*Lachnanthes tinctoria*) and Swamp Loosestrife (*Decodon verticullatus*). By this time the group had dwindled to nine, so we called it a day.

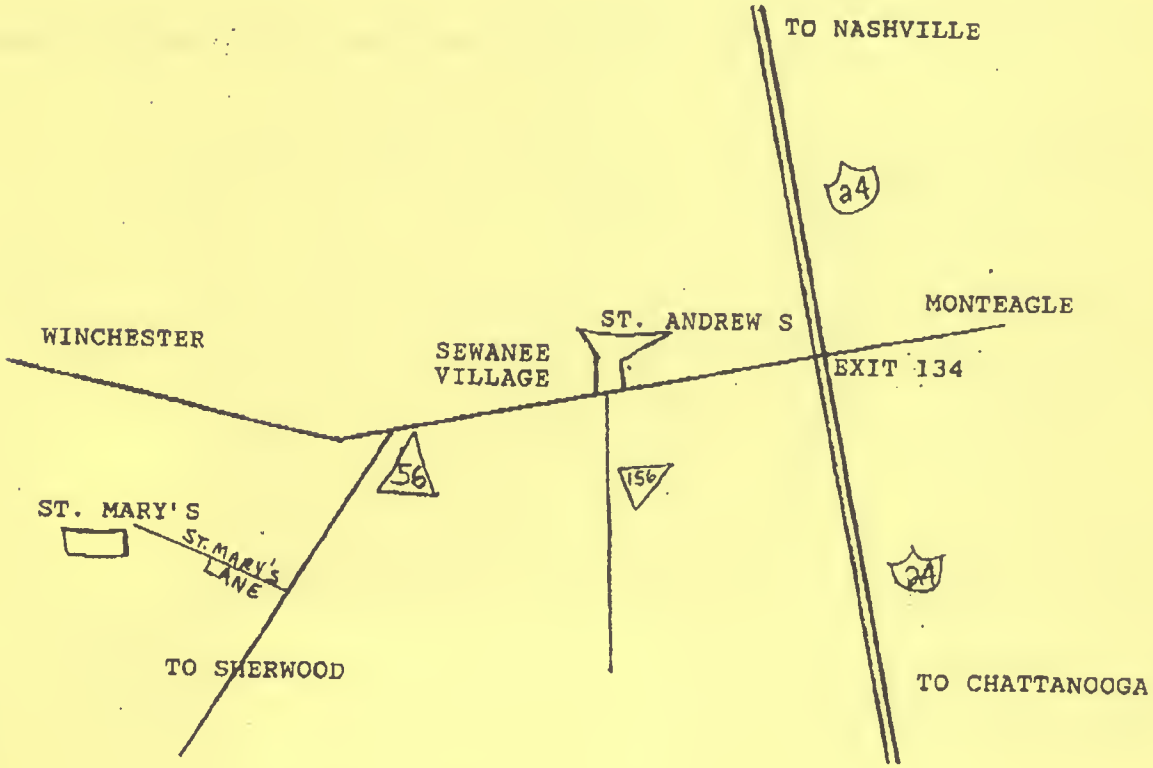
DIRECTIONS TO ST. MARY'S RETREAT & CONFERENCE CENTER

From Nashville or Chattanooga, take I-24 to the Monteagle/ Sewanee exit.

Turn toward The University of the South or Sewanee on Highway 41A/64. You will pass State Highway 156 turnoff at St. Andrews, The University of the South turnoff, Sewanee Pharmacy and Sewanee Market. Continue past all of these until you reach State Highway 56, then turn left toward Sherwood.

Proceed about one mile on Highway 56 to the first major bend in the road to the left and turn directly right onto St. Mary's Lane. This turn is marked with an "Episcopal Church Welcomes You" sign. Drive through the stone pillars with a cross on the left. Continue on this road until you reach our gravel parking area on the right. The office is inside the door with the sign "St. Mary's Episcopal Center."

St. Mary;s phone (800) 728-1659.



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Knoxville, TN 37996-1100

Membership Categories: Regular $15, Student and Senior $10, Institutional $20, Life $150, One Year Gift Membership $10 (Please indicate who is giving the gift membership and the name and address of the recipient).

Note: Members have only received two "newsletters" this year. Some of the 1996 new members only received one issue. We sincerely apologize and assure you that the remainder of this year and next year will be better and all issues will be on time!

Trillium lancifolium

In Tennessee, lance-leaf trillium, *Trillium lancifolium,* can be found in Marion and Hamilton Counties near Lookout Mountain. It prefers limestone soils on north-facing slopes and rich bottoms. Its closest relative is prarie trillium, *Trillium recurvatum*, but the lance-leaf trillium differs by its sessile leaves and petals four times as long as wide. It has not been seen in Tennessee since the early 1980's.

Vol. 19 No.3 August 1996 **Printed on recycled paper**

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER
341 Huntington Ridge Drive
Nashville, TN 37211

1996 ✓

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER

Volume 19, Number 4 December 1996

President's Message--Kay Jones

The latter part of 1996 has been a time of transition in the organization of the Tennessee Native Plant Society. As you probably know, Milo Pyne (who was second year of his term as president), accepted a position as Ecoregional Ecologist with the Southeastern Regional Office of the Nature Conservancy. We are happy that his work does bring him back to Tennessee from time to time, so we have not lost him completely! As vice-president, I filled the vacant office of president when he left.

We also have had a change in the editors of the Newsletter. I am sure that you have noticed that it is back on a regular schedule; you can expect to receive newsletters every other month. The Board of Directors has agreed that the first priority of the newsletter is to be a means of regular communication within the organization. Therefore, sometimes it may be longer or shorter--and the number of articles may vary--but you should be able to count on knowing about upcoming field trips and events in a timely fashion. We are most appreciative of David Duhl and Andrea Shea who are serving as **interim** joint newsletter editors. They welcome your suggestions of content and especially welcome field trip reports and articles members may wish to submit.

One strength of the organization that has remained constant is our full schedule of field trips. As usual, we have had an excellent variety of trips in all areas of the state, and they have been well attended. And, once again, our annual meeting--held at Sewanee--was filled with camaraderie, outings, slide programs, and a presentation from the Tennessee Environmental Council and the Environmental Action Fund, of which we are organizational members.

At the annual meeting we also had reports on the progress of our upcoming book, *The Wildflowers of Tennessee*. The selection of photographs is essentially complete and the writing of the plant descriptions is well underway. Of course, the biggest holdup at this point is up-front funding, and we are optimistic that a solution to that may be forthcoming.

Also looking ahead, you will see in this newsletter a report from the nominating committee, listing those who have agreed to serve as officers and board members for 1997 and 1998. You as members can look ahead as well by sending your dues in a timely manner for next year. Then you can count on enjoying all the benefits of membership in the year to come.

TENNESSEE NATIVE PLANT SOCIETY NEWSLETTER

Dec 1996, VOL. 19 NO.4

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Jack Carman
Dot Carman
Hal DeSelm
Ruth Ann Henry
Milo Pyne

Kay Jones, President:
615-285-2777

NOMINEES NAMED FOR TNPS OFFICERS AND BOARD

The nominating committee is presenting the following persons to serve as officers and members of the Board of Directors to take office January 1, 1997:

Officers for 2-year terms (1997-1998):
- President: Kay Jones
- Vice-president: Dennis Horn
- Treasurer: Susan Sweetser
- Recording Secretary: Nita Heilman
- Corresponding Secretary: Andrea Shea

Director for 1-year term, 1997 (replacing Dennis Horn)
- Carl Nordman (Middle Tennessee)

Directors for 2-year term (1997-1998):
- Shirley Nicholson (East Tennessee)
- Larry Wilson (West Tennessee)
- Mary Priestly (East Tennessee)

Directors' terms expiring in December 1997:
- Bertha Chrietzberg (Middle Tennessee)
- Jane Norris (Middle Tennessee)

According to the TNPS constitution, additional nominees may be submitted by petition signed by ten or more members. Petitions may be sent to Dennis Horn at 222 Crestwood Dr., Tullahoma, TN 37388. In the absence of further nominations, the above slate of officers will be accepted. Officers and Board Members will assume office January 1, 1997.

TNPS HOLIDAY GIFT IDEAS

T-SHIRTS with multicolored native plant design on GRAY, WHITE, BRIGHT YELLOW or MINT GREEN (50/50) are $10.50 each plus $2.00 postage. Specify S, M, L, XL, XXL.

SWEATSHIRTS same design as T-shirts on GRAY (50/50) are $18.00 plus $2.50 postage. Specify S, M, L, XL, XXL.

HATS white twill with passionflower design are $7.50 plus $2.00 postage.

NOTECARDS set of original ink drawings of either rare or medicinal plants are $3.00 plus $1.00 postage.

DECALS white with purple passionflower design are $1.00. Include self-addressed stamped envelope.

Checks for these gifts should be made to TNPS and orders should be sent to Nita Heilman at:
429 Rivermont Drive
Clarksville, TN 37043
Phone (after 5:00 pm) 615-645-9338

The Natural Heritage Program and Tennessee's Rare Plants

Carl Nordman, Heritage Botanist

The Natural Heritage Program maintains a large database on Tennessee's rare plants, rare animals and sites of significant biodiversity. This database is used in setting priorities for public and private conservation efforts. It is crucial that good information be used in making these decisions. When land is purchased for conservation, money needs to be spent effectively. When you are out, keep in mind that we need current information. I encourage you to record location, directions, numbers, and associated species when you come across rare plants in the field, and pass the information on to the Natural Heritage Program. We have a field form for recording rare plant occurrences. Many rare plant occurrences in our database are lacking information from recent visits. Get permission before going on private land, and be careful during hunting season (wear orange).

In order to facilitate the efforts of botanists throughout Tennessee, I am developing some improved rare plant lists for next year. Rare plant lists for each of Tennessee's physiographic provinces (such as the Cumberland Plateau and Central Basin) are in the works. I will include some habitat information on those lists. We now have available lists of rare plants and animals for each county in Tennessee, these can be a lot of help in the field. I am also thinking of separate lists for rare trees, shrubs, ferns, sedges, and so on. Let me know what would be most useful to you.

On December 9 the Rare Plant Scientific Advisory Committee meeting will be held in Nashville at the L&C Tower. Changes to the rare plant list will be made based upon the recommendations of the committee. The public is invited. If you have comments regarding the list, records to report, or suggestions, please contact me at:

Department of Environment and Conservation
Division of Natural Heritage
401 Church St., 8th floor L & C Tower
Nashville, TN 37243-0447

phone/voicemail (615) 532-0440
FAX (615) 532-0614

e-mail: cnordman@juno.com

STATUS REPORT OF TNPS WILDFLOWER BOOK

Jack Carman, Chairman

Progress on the book has been steady. The Photo Selection Committee has received over 8,000 images and we now have over 97% of the 700+ photos planned for the book. Our book will have outstanding photographic coverage statewide, both in quality and number. Over half of the plant description writing assignments have been completed. The descriptions received show that the different writing styles will add variety to the book. We have made little progress in lining up financial support, however we have contacted a very small number of potential sponsors. Should anyone know of potential contributors or sponsors, I would appreciate names and addresses. Please call me at 615-455-2585. My address is 106 LaSalle Lane, Tullahoma, TN 37388.

TNPS FIELD TRIP REPORTS

JOINT TNPS/WOLF RIVER CONSERVANCY CANOE TRIP, September 22, 1996. TNPS members and guests Larry Wilson, Ellen Williams, Carl Nordman and Stephen Wherley joined about 36 Wolf River Conservancy members for a Sunday morning float trip through the :Ghost River" section of the Wolf River in Fayette County, Tennessee. Starting at about 8:30 am, groups of seven or so canoes left the LaGrange bridge put-in for the six hour trip to the Bateman bridge take-out. At least one knowledgeable member from the Conservancy accompanied each group to talk of the natural history of the region. The first section of the journey began with a rather gentle current through lowland deciduous forests. Within the first quarter mile, we had a felled oak trunk to portage over. Thereafter, the main obstacles were submerged sticks and narrow passages through cypress and tupelo trunks, or--in places--cypress knees. Recent rains had provided more than adequate water to assure an easy journey. Further downstream, we entered the swamped out region of this stretch of the river complete with submerged river banks and an abundance of dying timber. Next, we paddled through the pooled swamp part of the river where the only "woodies" that survived were cypress and tupelo. Our last section was the braided stream phase where *Leersia* oryzoides (Rice-cutgrass) dominated the recently deposited outwash from the adjacent uplands. The quick list of species that were noted as we moved downstream include: *Chasmanthium latifolium* (Wood oats), *Salix nigra* (Black willow), *Pluchea camphorata* (stinkweed), *Solidago gigantea* (Late goldenrod), *Vitis rotundifolia* (Grape), *Echinochloa pungens* (Barnyard grass), *Phyla lanceolata* (Fog-fruit) *Iva ciliata* (Sumpweed), *Ambrosia trifida* (Giant ragweed), *Ambrosia artemesiifolia* (Common ragweed), *Vemonia noveboracensis* (Ironweed), *Eleocharis obtusa* (Blunt spikerush), *Polypodium polypodioides* (Resurrection fern), *Quercus nigra* (Water oak), *Quercus phellos* (Willow oak), *Fraxinus tomentosa* (Pumpkin ash), *Betula nigra* (River birch), *Platanus occidentalis* (Sycamore), *Taxodium distichum* (Baldcypress), *Itea virginica* (Virginia willow), *Sambucus canadensis* (Elderberry), *Cuscuta sp.* (Dodder), *Lobelia cardinalis* (Cardinalflower), *Boehmeria cylindrica* (False nettle), *Pilea pumila* (Clearweed), *Commelina virginica* (Virginia dayflower), *Brunnichia cirrhosa* (Ladies' eardrops), *Catalpa speciosa* (Catalpa), *Ulmus americana* (American elm), *Bidens aristosa* (Beggartick), *Leersia virginica* (Cutgrass), *Leersia lenticularis*, *Rosa palustris* (Swamp rose), *Wisteria macrostachya* (Wisteria) *Triadenum walteri* (Marsh St-Johnswort), *Eupatorium coelestinum* (Mistflower), *Mikania scandens* (Climbing boneset), *Cephalanthus occidentalis* (Buttonbush), *Onoclea sensibilis* (Sensitive fern), *Platanthera flava* (Pale-green orchis), *Menispermum canadense* (Coral beads), *Nyssa aquatica* (Tupelo gum), *Carpinus caroliniana* (Hornbeam), *Solanum nigra* (Nightshade), *Impatiens capensis* (Spotted jewelweed), *Alnus serrulata* (Alder), *Sparganium americanum* (Bur-reed), *Rhynchospora corniculata* (Beak-rush), *Zizaniopsis miliacea* (Wild rice), *Saururus cernuus* (Lizard's tail) *Mitchella repens* (Partridgeberry), *Morus rubra* (Red mulberry), *Nuphar advena* (Cow-lily), and--on the river bank at take-out--*Fagus grandifolia* (American beech).

Submitted by Larry Wilson.

ANDREWS BALD, GREAT SMOKY MOUNTAINS NATIONAL PARK. The trail to Andrews Bald from the Clingmans Dome parking lot is 1.8 miles long, the first mile being rather rocky. Fortunately, it's not very steep, and with cloud cover prevailing that day, the walk was quite pleasant. In bloom along the trail were the Mountain Ash (*Sorbus americana*), Catawba Rhododendron (*Rhododendron catawbiense*), Mountain Cranberry (*Vaccinium erythrocarpum*), Mountain Holly (*Ilex longipes?*), Clingman's Hedge-Nettle (*Stachys clingmanii*), Common Wood Sorrel (*Oxalis acetosella*) and Purple-Fringed Orchid (*Platanthera psycodes*), Rugel's Ragwort (*Rugelia nudicaulis*) and Joe-Pye-Weed (*Eupatorium purpureum*) were in bud; the Rosy-Twisted-Stalk (*Streptopus roseus*), Yellow Bead Lily (*Clintonia borealis*) and Red Elderberry (*Sambucus pubens*) were in fruit, and Mountain Maple (*Acer spicatum*) had just completed blooming. On the bald, the Flame Azaleas (*Rhododendron calendulaceum*) were in various flowering stages, from bud to brilliant display, to bloomed out. The *P. psycodes* was in flower, but a little sunburned. The Mountain St.-John's-Wort (*Hypericum graveolens*) was just beginning to bloom and the Catawba Rhododendron was completely bloomed out. Other wildflowers seen along the park roadsides included the Bush Honeysuckle (*Diervilla sessifolia*), Crimson Bee Balm (*Monarda didyma*), Heal-All (*Prunella, vulgaris*), Rosebay Rhododendron (*Rhododendron maximum*), Mountain Laurel (*Kalmia latifolia*), Black Snakeroot (Cimicifuga racemosa), Purple -Flowering Raspberry (*Rubus odoratus*), Yellow Jewelweed (*Impatiens pallida*), Pale Indian-Plantain in bud (*Cacalia atriplicifolia*), Orange Hawkweed in N.C. (*Hieracium auranticum*), King Devil (*Hieracium pratense*), Fire Pink (*Silene virginica*) and Broad-Leaf Phlox (*Phlox amplifolia*).

Submitted by Jack Carman

USEFUL e-MAIL ADDRESSES

The Department of Botany at the University of Tennessee, Knoxville may not always be able to return long-distance phone calls due to budget restraints. The following e-mail addresses should be used when possible:

McFarland, Kenneth: kdmcfarl@UTK.edu
Smith, David K.: dksmith@UTK.edu
Wofford, B. Eugene: bewofford@UTK.edu

Office (Hunley, Eileen): mhunley@UTK.edu
(Turner, Eunice): eaturner@UTK.edu

Others: Milo Pyne: mpyne@tnc.org
Andrea Shea: abshea@juno.com

BOOK ALERT

WILDFLOWERS OF THE SMOKIES by Dr. Peter White, published by Great Smoky Mountains Natural History Association (1996). This 208-page book is a pocket-sized field guide packed with color photographs of the Smokies' most beautiful wildflowers. The text is by Dr. Peter White, one of the leading authorities on flowering plants of the Smokies. The book is organized by color and has handy color-coded tabs. It includes sections on suggested walks and drives in the park, rare park plants, wildflower diversity and more. The book has many beautiful color photographs and is easy to carry along on hikes. The price is $11.50 + Shipping and all profits go to the park. To order, contact the Great Smoky Mountains Natural History Association at 416 Cherry Street, Gatlinburg, TN 37738 or call 423-436-0120.

FIELD TRIPS FOR 1997

At this time, the field trip schedule for 1997 has not been finalized. If you have any ideas for a field trip, or if you would like to lead a field trip, please call Dennis Horn at 615-455-5742. A complete field trip schedule will be published in the next TNPS newsletter (February 1997).

GARDENING WITH NATIVE PLANTS SEMINAR TO BE HELD AT WARRIORS' PATH STATE PARK--JANUARY 18, 1997

TNPS members Ed and Meredith Clebsch, owners of Native Gardens Nursery, will present a Saturday morning lecture on local plant conservation issues. Learn how to use native plants in home gardens and how to keep existing native plants in their natural settings. After the morning talk, there will be hikes on park trails to discover native plants in their winter forms. The seminar will be held at 10:00 am EST in the Recreation Building on Duck Island. The event is free, but pre-registration is requested. For more information, call Warriors' Path State Park in Kingsport, TN at 423-239-8531.

Wishing all members of TNPS a safe and cheerful Holiday season

Ilex opaca - American Holly

The bright red berries and shiny evergreen leaves make American Holly a favorite source of decorations for the holidays. American holly, a native shrub, can be used in landscaping throughout the state and thrives in a variety of soil, light and moisture conditions. An added benefit is the sight of Cedar waxwings sure to be attracted to the red berries in the winter.

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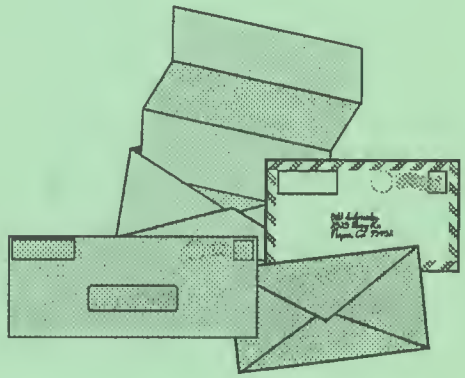
Please renew your membership in TNPS. As an added bonus, with the next newsletter you will receive two excellent brochures: Landscaping With Native Plants for Middle and East Tennessee (TNPS helped fund the production of the East Tennessee brochure). The brocure for West Tennessee will be available soon.

These brochures list hundreds of native plants that can be used in landscaping and gives light, soil and moisture requirements.

URGENT REQUEST!

The Tennessee Native Plant Society desperately needs a newsletter editor. All articles will be provided. Here's a great chance to serve the Society and meet your fellow members. No special talents are needed. Please call Kay Jones at 615-285-2777 to volunteer today.



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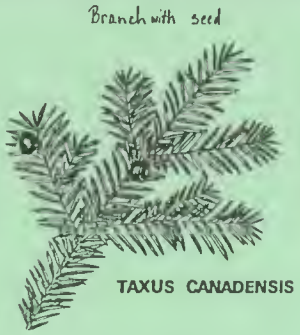
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READ INSIDE FOR DETAILS